

Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A device for connecting and sealing between a transmission line connector and a matingly configured signal source connector, the device comprising:

a hollow body forming an outer conductor and defining a longitudinal axis therethrough;

an inner conductor extending through said outer conductor along said longitudinal axis, one end of said outer conductor and a corresponding end of said inner conductor adjacent thereto defining a signal input of said device, and opposite ends of said outer conductor and said inner conductor defining a signal output of said device;

a first electrical insulator disposed between said inner and outer conductors;

a first water tight seal between the first electrical insulator and the inner conductor;

a second water tight seal between the first electrical insulator and the outer conductor;

the first and second water tight seals being ~~located~~ substantially centered on a line extending generally perpendicularly through the longitudinal axis;

wherein said signal input of said device is configured for connection to said signal source connector and said signal output of said device is configured for connection to said transmission line connector, and

wherein an axially extending outer surface of said first electrical insulator defines a first channel therein extending completely around an outer periphery of said first electrical insulator in a direction generally perpendicular to said longitudinal axis, with a first sealing member disposed within said first channel.

2. (original) The device of claim 1 wherein said signal source is an antenna.

3. (original) The device of claim 1 wherein said signal source is another transmission line.

4. (canceled).

5. (canceled).

6. (currently amended) The device of claim ~~[[5]]~~ 1 wherein an inner surface of said first electrical insulator defines a second channel therein extending completely around an inner periphery of said first electrical insulator in a direction perpendicular to said longitudinal axis, with a second sealing member disposed within said second channel.

7. (original) The device of claim 6 wherein said first and second sealing members are flexible sealing rings.

8-22 (canceled).

23. (currently amended) In combination:
a transmission line having attached thereto a first connector configured for connection to a second connector associated with a signal source; and

a fluid blocking device configured at one end for connection to said first connector and at an opposite end for connection to said second connector, said device comprising inner and outer conductors separated by an insulator watertight sealed to said inner and outer conductors by at least two seals ~~located~~ substantially centered on a line extending generally perpendicularly through the transmission line, said device preventing transfer of liquid between said first and second connectors, and

wherein an axially extending outer surface of said insulator defines a first channel therein extending completely around an outer periphery of said insulator in a direction generally perpendicular to said longitudinal axis, with a first sealing member disposed within said first channel.

24. (original) The combination of claim 23 wherein said signal source is an antenna.

25. (original) The combination of claim 23 wherein said signal source is another transmission line.

26. (original) The combination of claim 23 wherein said fluid blocking device further includes:

a first sealing member positioned between said insulator and said outer conductor creating said watertight seal therebetween; and

a second sealing member positioned between said insulator and said inner conductor creating said watertight seal therebetween.

27. (original) The combination of claim 26 wherein said first and second sealing members are flexible sealing rings.

28. (canceled).

29. (currently amended) A device for connecting and sealing between a transmission line connector and a matingly configured signal source connector, the device comprising:

a hollow body forming an outer conductor and defining a longitudinal axis therethrough;

an inner conductor extending through said outer conductor along said longitudinal axis, one end of said outer conductor and a corresponding end of said inner conductor adjacent thereto defining a signal input of said device, and opposite ends of said outer conductor and said inner conductor defining a signal output of said device;

~~a first~~ an electrical insulator disposed between said inner and outer conductors, the electrical insulator having an axially extending outer surface;

a channel in the axially extending outer surface;

a first water tight seal between the ~~first~~ electrical insulator and the inner conductor;

a second water tight seal between the ~~first~~ electrical insulator and the outer conductor;

the first and second water tight seals being located on a line extending generally perpendicularly through the longitudinal axis;

wherein said signal input of said device has ~~[[an]]~~ one of an internal screw thread or external screw thread for connection to said signal source connector and said signal output of said device has a screw thread for connection to said transmission line connector which is the opposite ~~[[of]]~~ the one of an internal screw thread or external screw thread of the signal input.

30. (previously presented) The device of claim 1 including third and fourth water tight seals located on a line extending generally perpendicularly through the longitudinal axis.

31. (previously presented) The device of claim 1 including at least one additional electrical insulator between the inner and outer conductors.

32. (previously presented) The device of claim 1 wherein the outer conductor includes at least one shoulder in abutment with the first electrical insulator preventing relative movement in one longitudinal direction.

33. (previously presented) The device of claim 32 wherein the inner conductor includes at least one shoulder in abutment with the first electrical insulator preventing relative movement in one longitudinal direction.

34. (currently amended) ~~The device of claim 33~~ A device for connecting and sealing between a transmission line connector and a matingly configured signal source connector, the device comprising:

a hollow body forming an outer conductor and defining a longitudinal axis therethrough;

an inner conductor extending through said outer conductor along said longitudinal axis, one end of said outer conductor and a corresponding end of said inner conductor adjacent thereto defining a signal input of said device, and opposite ends of said outer conductor and said inner conductor defining a signal output of said device;

a first electrical insulator disposed between said inner and outer conductors;

a first water tight seal between the first electrical insulator and the inner conductor;

a second water tight seal between the first electrical insulator and the outer conductor;

the first and second water tight seals being located on a line extending generally perpendicularly through the longitudinal axis;

wherein said signal input of said device is configured for connection to said signal source connector and said signal output of said device is configured for connection to said transmission line connector;

wherein the outer conductor includes at least one shoulder in abutment with the first electrical insulator preventing relative movement in one longitudinal direction;

wherein the inner conductor includes at least one shoulder in abutment with the first electrical insulator preventing relative movement in one longitudinal direction; and

wherein the at least one outer conductor shoulder and the at least one inner conductor shoulder are located on a line extending generally perpendicularly through the longitudinal axis.

35. (previously presented) The device of claim 34 including a second electrical insulator spaced from the first electrical insulator.

36. (previously presented) The device of claim 1 including a sensor detecting moisture in a portion of the device.